

ABSTRACT

The present invention relates to novel enzymes designed for direct detection, characterization and quantitation of nucleic acids, particularly RNA. The present invention provides enzymes that recognize specific nucleic acid cleavage structures formed on a target RNA sequence and that cleave the nucleic acid cleavage structure in a site-specific manner to produce non-target cleavage products. The present invention provides enzymes having an improved ability to specifically cleave a DNA member of a complex comprising DNA and RNA nucleic acid strands.

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